

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081619\
 Data File : VX011604.D
 Acq On : 17 Aug 2019 01:24
 Operator : JC/SP
 Sample : K4272-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-G4-(0)

Quant Time: Aug 19 01:17:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	451425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	622229	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	554416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255681	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	210486	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
35) Dibromofluoromethane	5.49	113	185611	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	8.71	98	708404	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	
62) 4-Bromofluorobenzene	11.13	95	218517	40.83	ug/l	0.00
Spiked Amount			Recovery	=	81.66%	

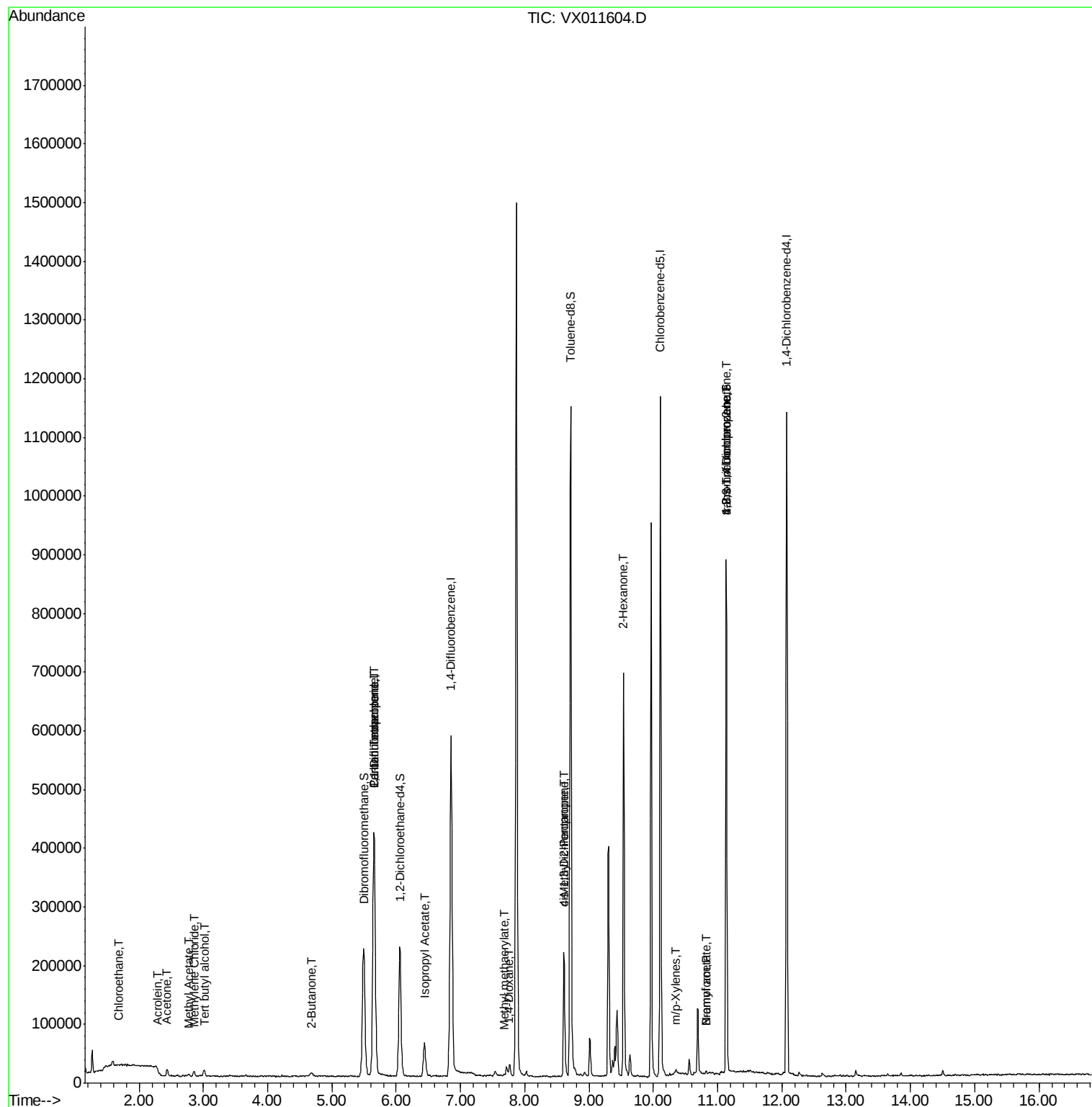
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.69	64	906	0.460	ug/l #	84
11) Tert butyl alcohol	3.01	59	6936	6.753	ug/l #	75
13) Acrolein	2.29	56	484	13.641	ug/l #	36
16) Acetone	2.43	43	14011	6.656	ug/l	97
18) Methyl Acetate	2.77	43	4108	0.629	ug/l #	59
20) Methylene Chloride	2.85	84	4786	1.083	ug/l #	81
25) 2-Butanone	4.69	43	3114	0.942	ug/l	94
36) 1,1-Dichloropropene	5.65	75	25234	4.743	ug/l #	51
38) Carbon Tetrachloride	5.66	117	37629	6.420	ug/l #	16
43) Isopropyl Acetate	6.44	43	78969	8.270	ug/l	99
48) Methyl methacrylate	7.68	41	5122	1.083	ug/l #	14
49) 1,4-Dioxane	7.75	88	233	1.852	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	73024	11.683	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	35024	5.605	ug/l #	66
59) 2-Hexanone	9.54	43	84162	17.461	ug/l #	52
68) m/p-Xylenes	10.36	106	1879	0.248	ug/l	96
71) Bromoform	10.82	173	74	3.308	ug/l #	28
74) N-amyl acetate	10.82	43	3585	0.508	ug/l #	48
76) 1,2,3-Trichloropropane	11.13	75	110134	22.716	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	110134	60.501	ug/l #	11

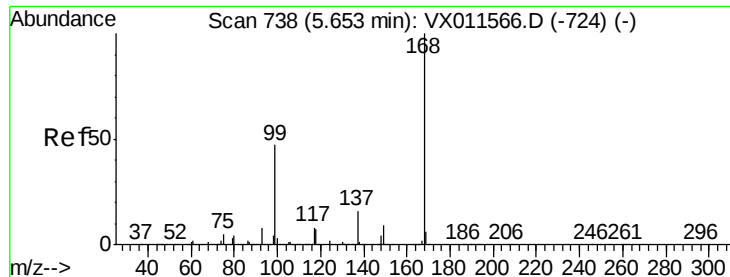
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

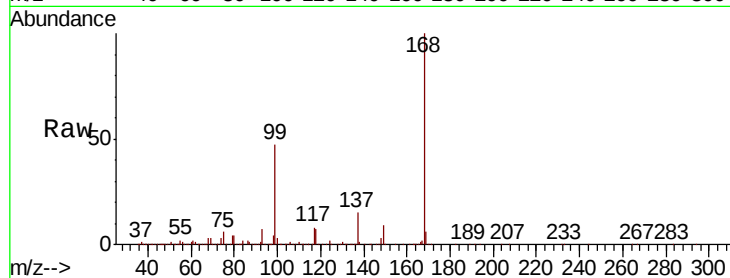
2S-G4-(0)

Tgt Ion:168 Resp: 451425

Ion Ratio Lower Upper

168 100

99 46.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

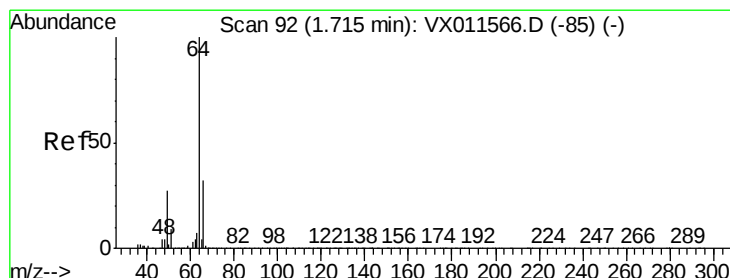
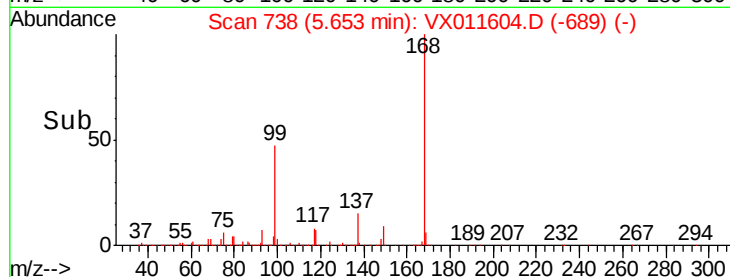
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.460 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX011604.D

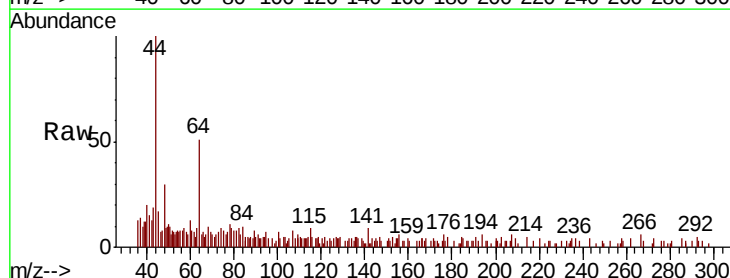
Acq: 17 Aug 2019 01:24

Tgt Ion: 64 Resp: 906

Ion Ratio Lower Upper

64 100

66 22.6 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

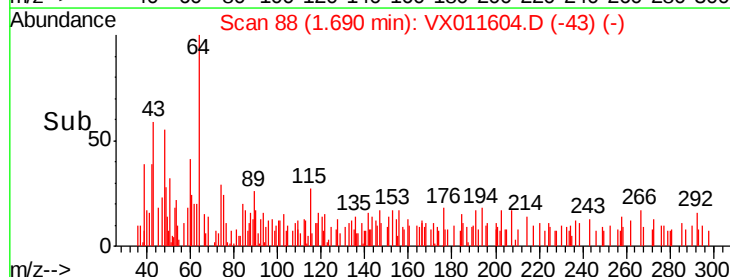
1.69

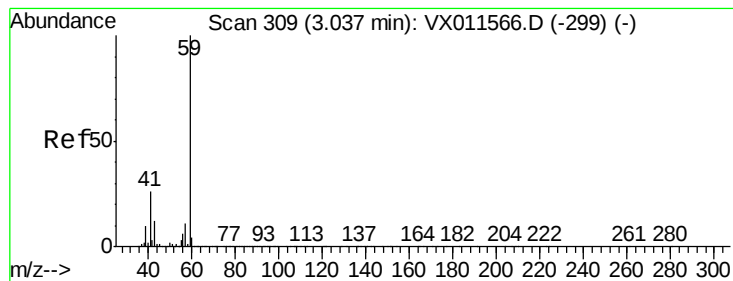
1000

500

0

Time-->



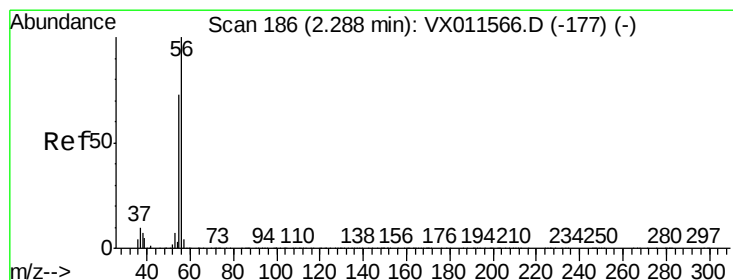
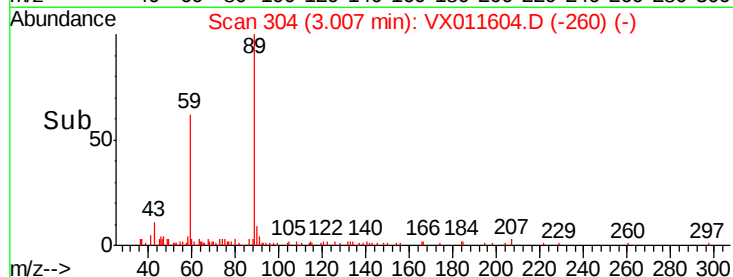
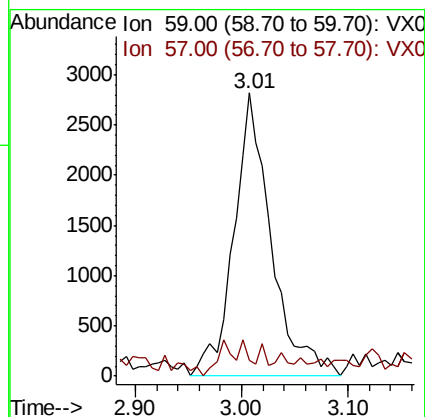
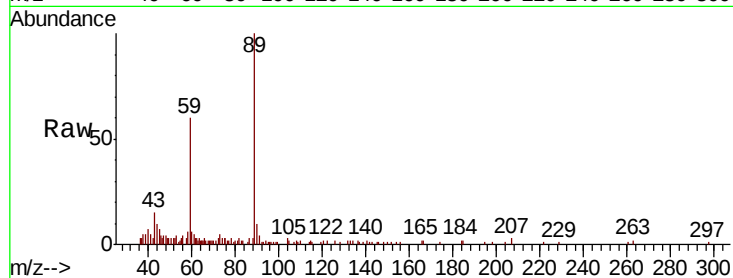


#11

Tert butyl alcohol
 Concen: 6.753 ug/l
 RT: 3.01 min Scan# 304
 Delta R.T. -0.03 min
 Lab File: VX011604.D
 Acq: 17 Aug 2019 01:24

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-G4-(0)

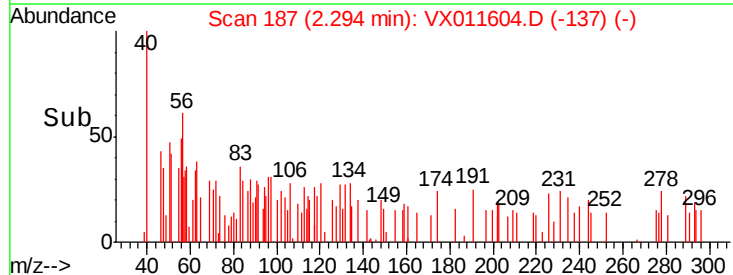
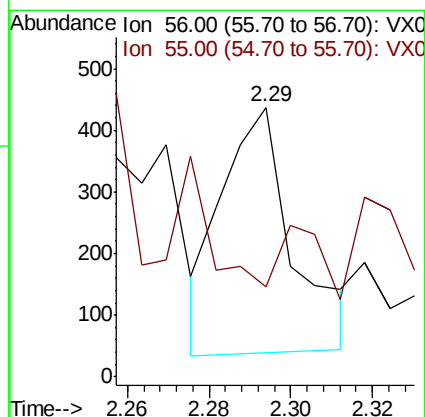
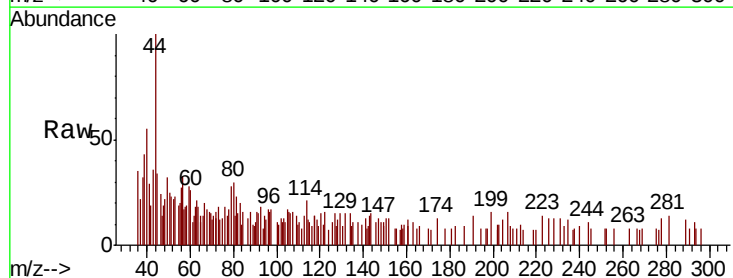
Tgt Ion: 59 Resp: 6936
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.7 13.1#

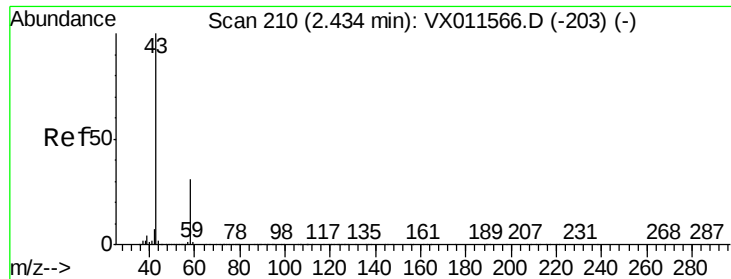


#13

Acrolein
 Concen: 13.641 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.01 min
 Lab File: VX011604.D
 Acq: 17 Aug 2019 01:24

Tgt Ion: 56 Resp: 484
 Ion Ratio Lower Upper
 56 100
 55 16.9 55.5 83.3#

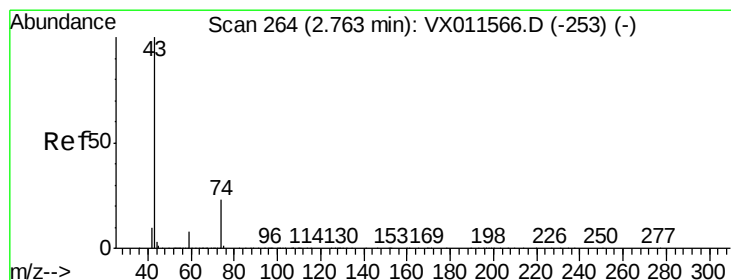
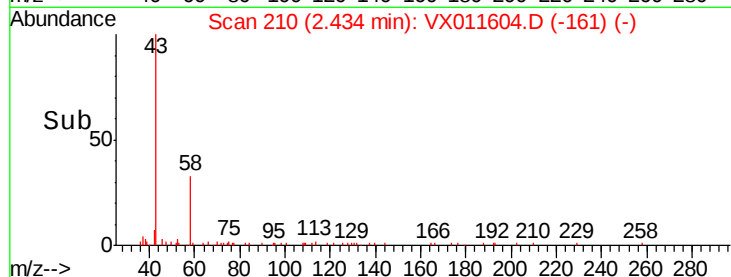
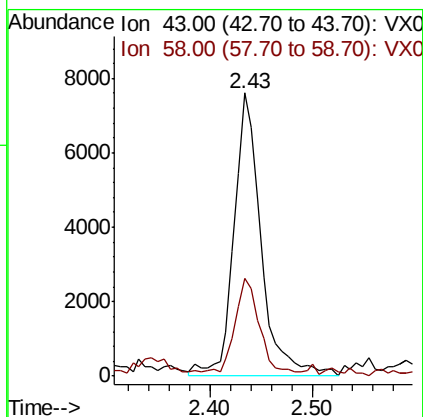
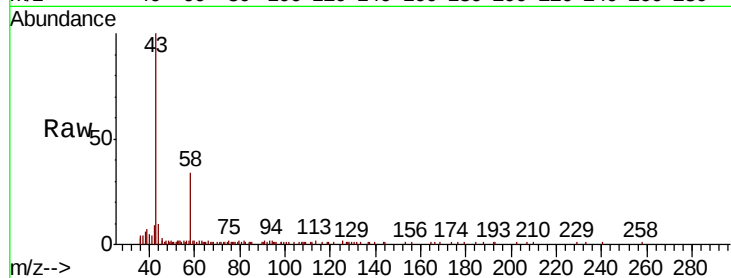




#16
Acetone
Concen: 6.656 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

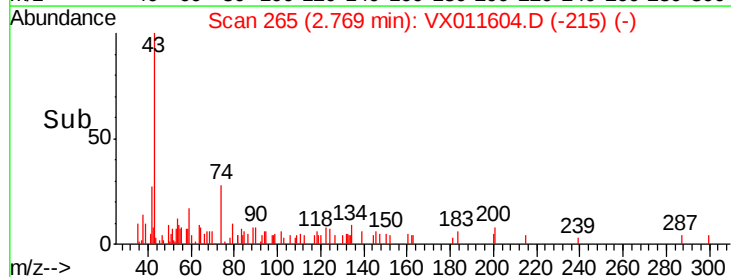
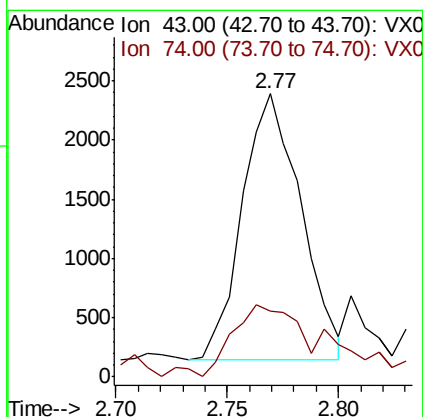
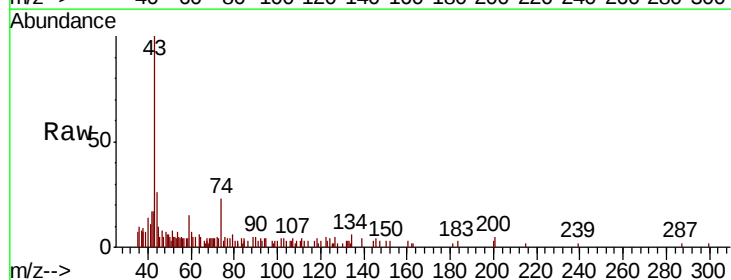
Instrument :
MSVOA_X
ClientSampleId :
2S-G4-(0)

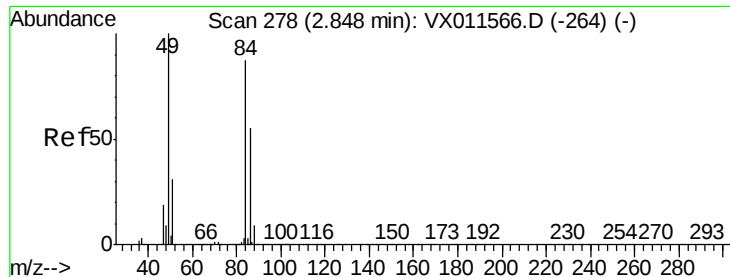
Tgt Ion: 43 Resp: 14011
Ion Ratio Lower Upper
43 100
58 32.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.629 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion: 43 Resp: 4108
Ion Ratio Lower Upper
43 100
74 45.0 19.7 29.5#

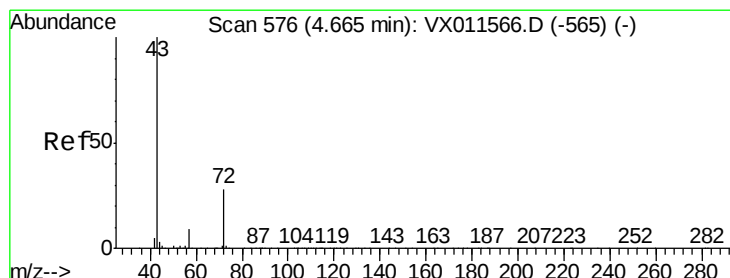
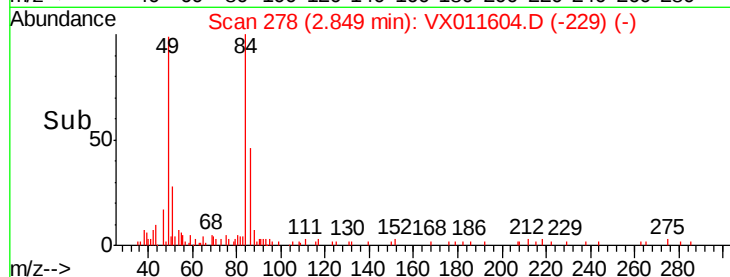
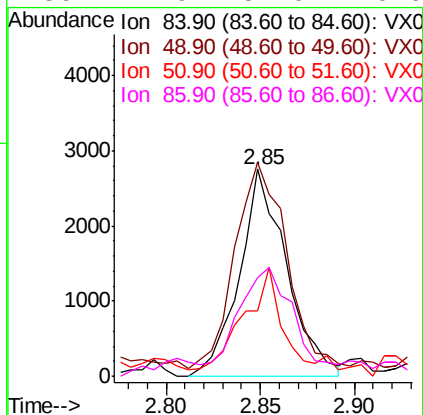
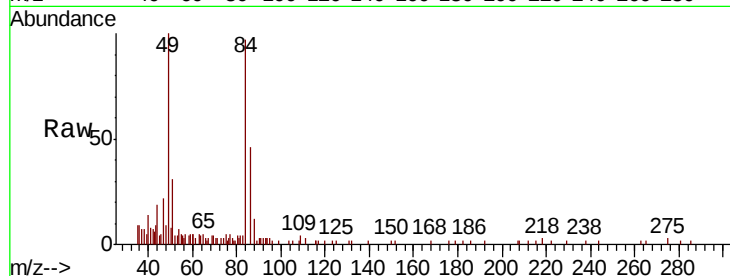




#20
Methylene Chloride
Concen: 1.083 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

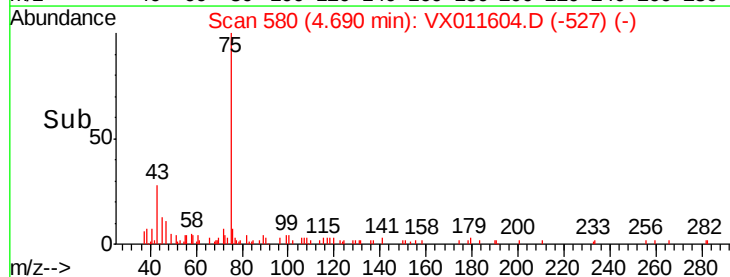
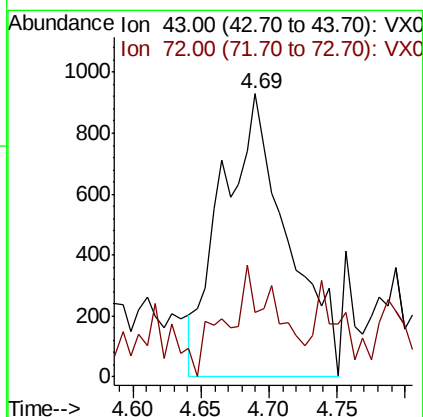
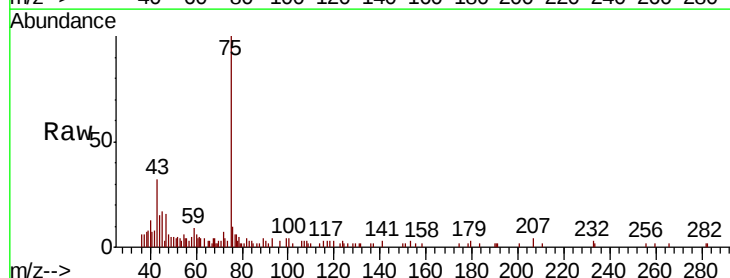
Instrument :
MSVOA_X
ClientSampleId :
2S-G4-(0)

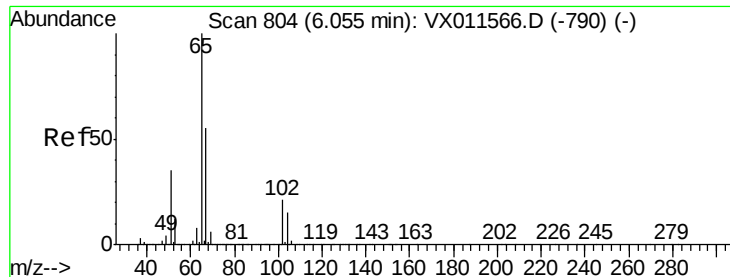
Tgt Ion:	84	Resp:	4786
Ion	Ratio	Lower	Upper
84	100		
49	97.1	92.4	138.6
51	28.9	28.5	42.7
86	41.9	51.0	76.6#



#25
2-Butanone
Concen: 0.942 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion:	43	Resp:	3114
Ion	Ratio	Lower	Upper
43	100		
72	24.4	22.2	33.4





#33

1,2-Dichloroethane-d4

Concen: 50.279 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

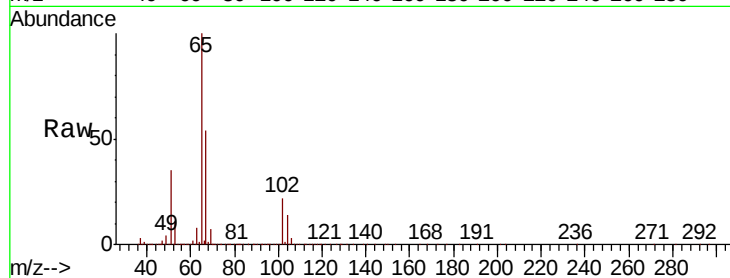
2S-G4-(0)

Tgt Ion: 65 Resp: 210486

Ion Ratio Lower Upper

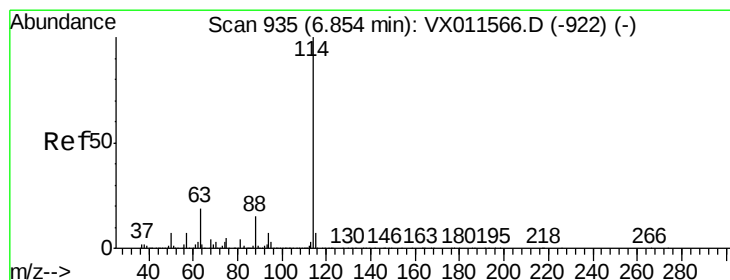
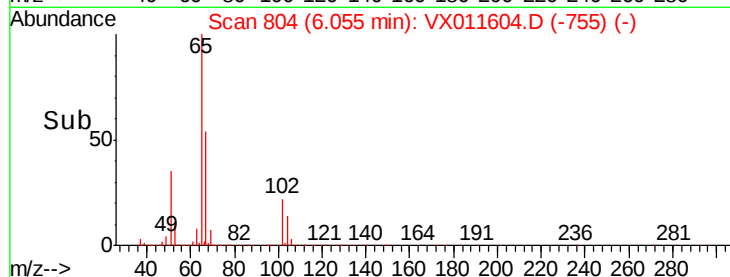
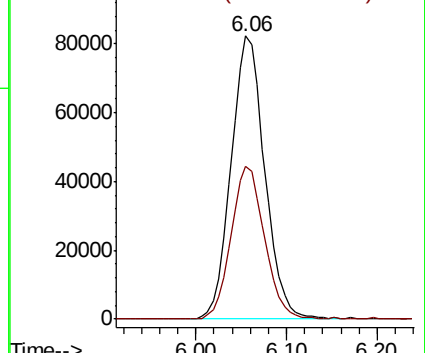
65 100

67 53.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

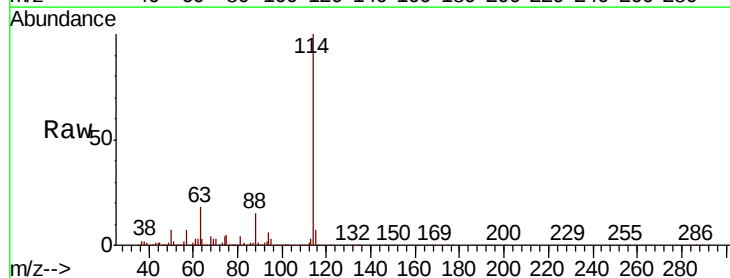
Tgt Ion: 114 Resp: 622229

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.8

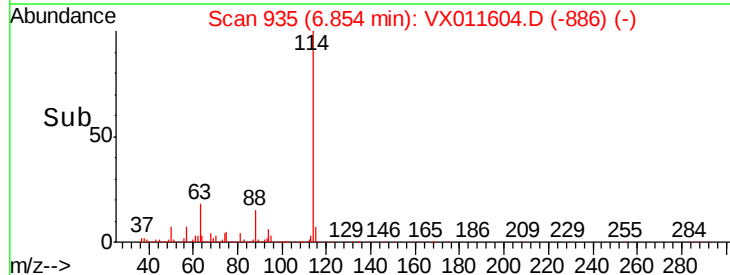
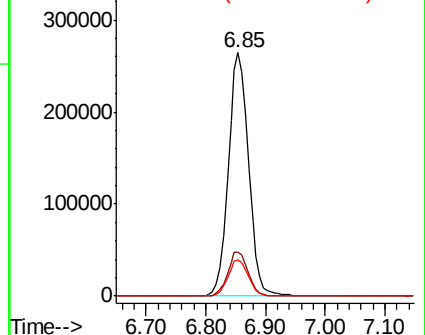
88 15.0 0.0 30.2

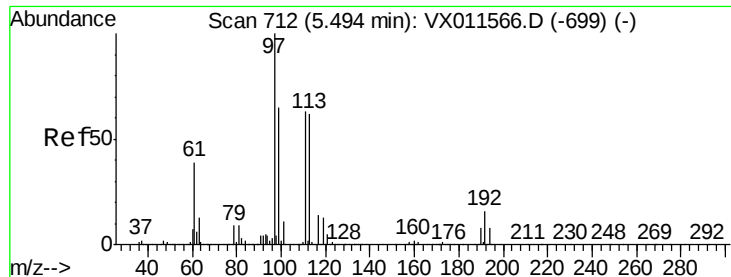


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.607 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

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ClientSampleId :

2S-G4-(0)

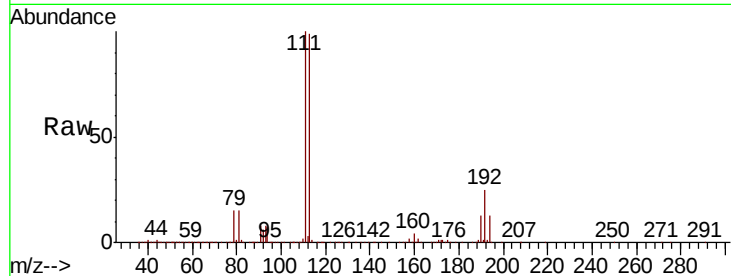
Tgt Ion:113 Resp: 185611

Ion Ratio Lower Upper

113 100

111 101.0 81.1 121.7

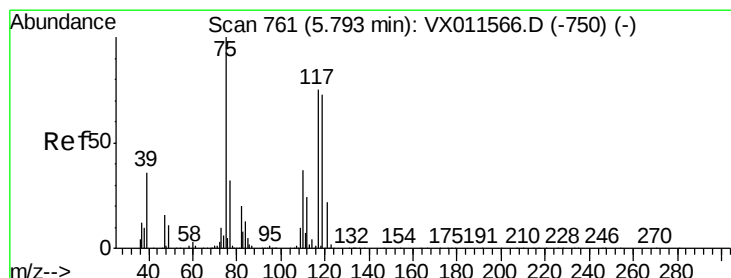
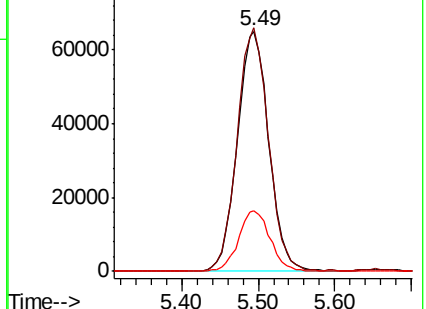
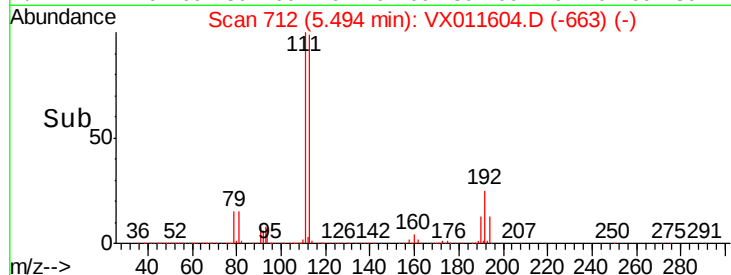
192 25.5 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

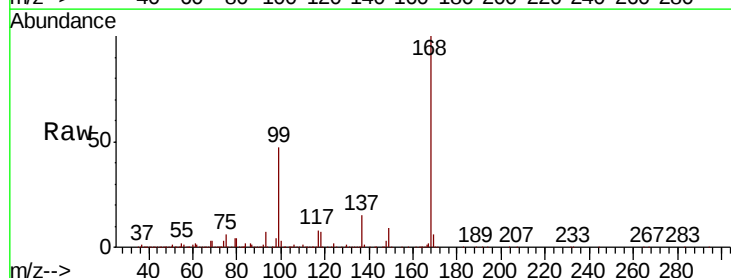
Tgt Ion: 75 Resp: 25234

Ion Ratio Lower Upper

75 100

110 12.3 19.4 58.1#

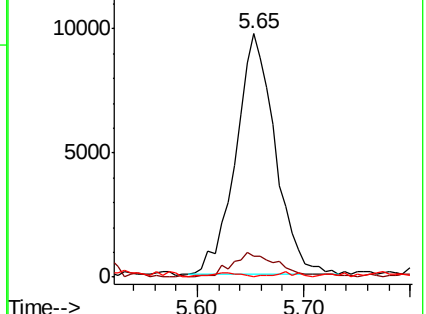
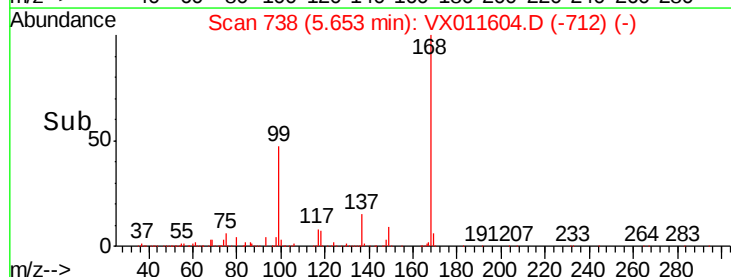
77 0.0 25.1 37.7#

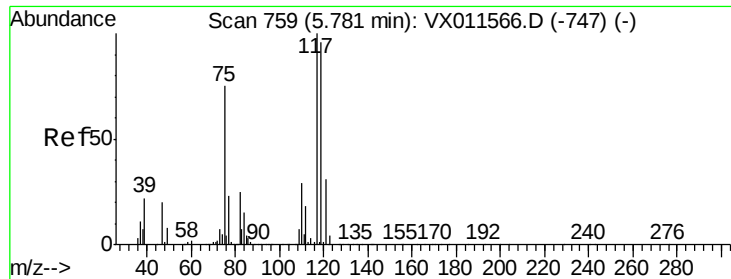


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

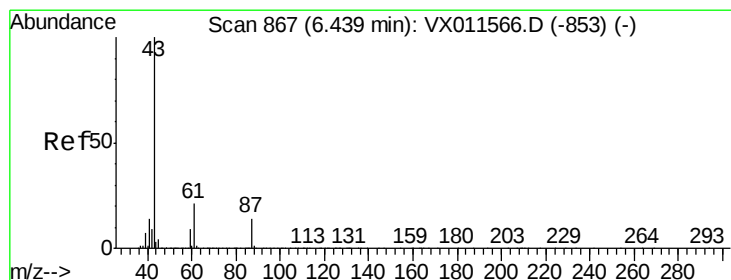
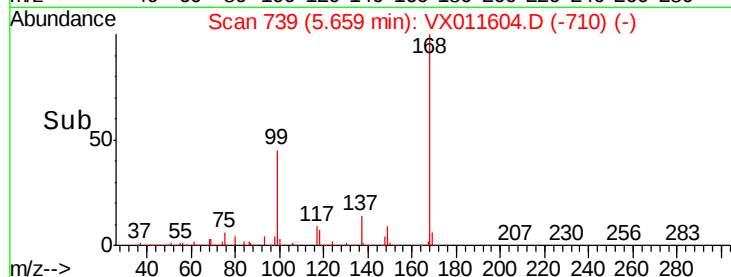
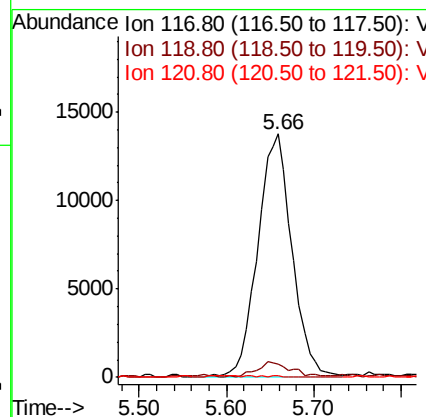
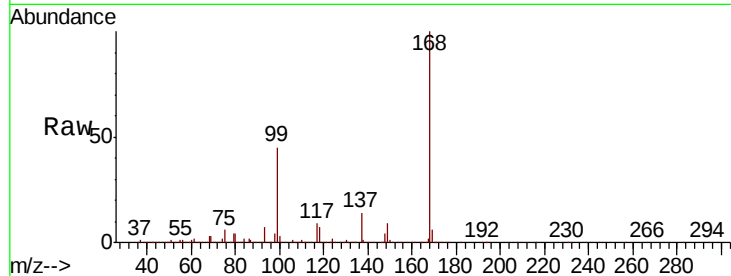




#38
Carbon Tetrachloride
Concen: 6.420 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

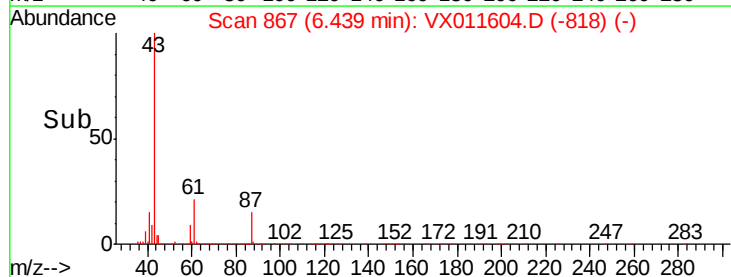
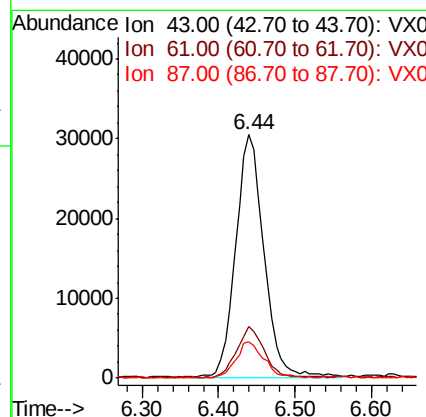
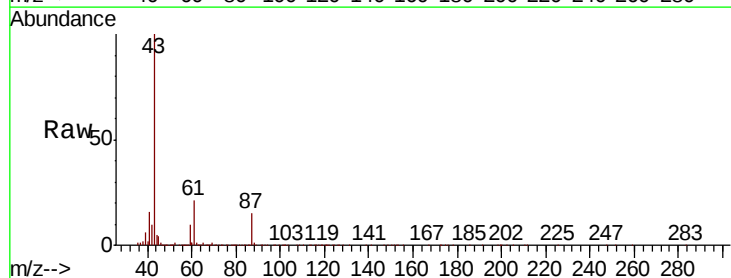
Instrument :
MSVOA_X
ClientSampleId :
2S-G4-(0)

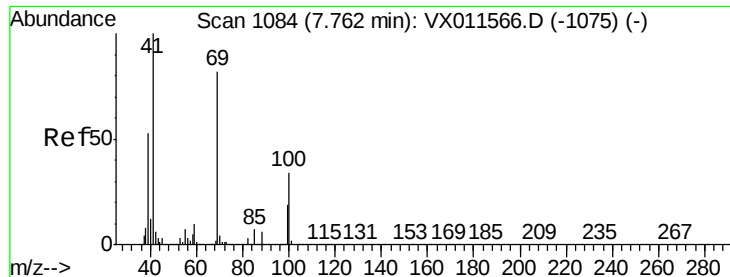
Tgt Ion: 117 Resp: 37629
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.6 24.8 37.2#



#43
Isopropyl Acetate
Concen: 8.270 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion: 43 Resp: 78969
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8
87 14.8 11.4 17.2

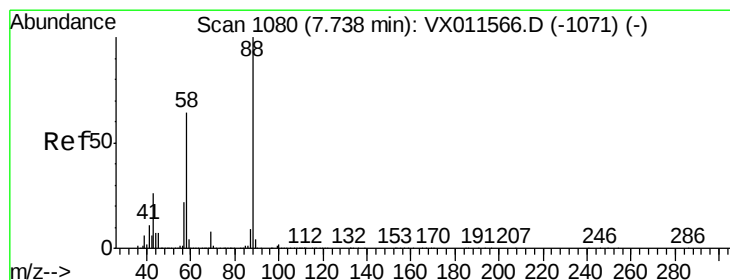
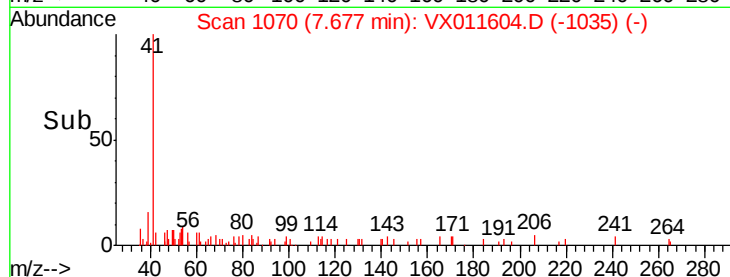
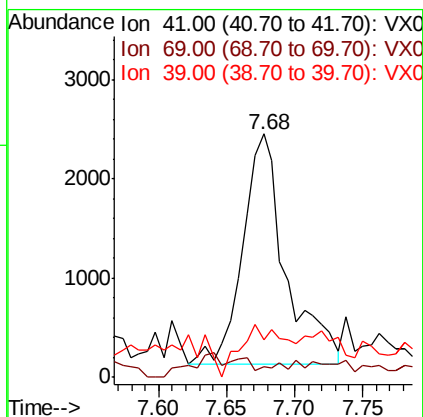
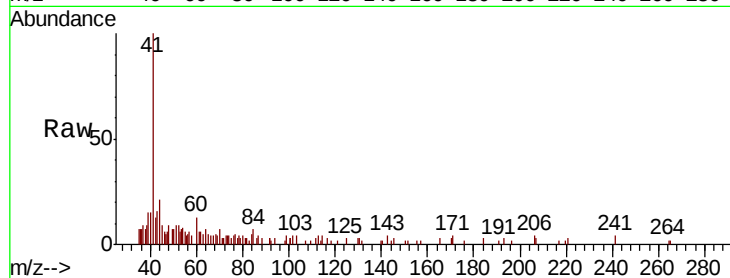




#48
Methyl methacrylate
Concen: 1.083 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

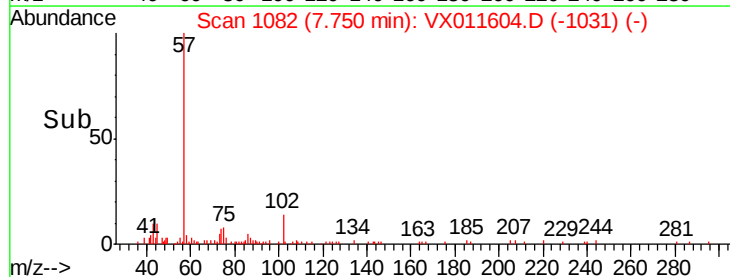
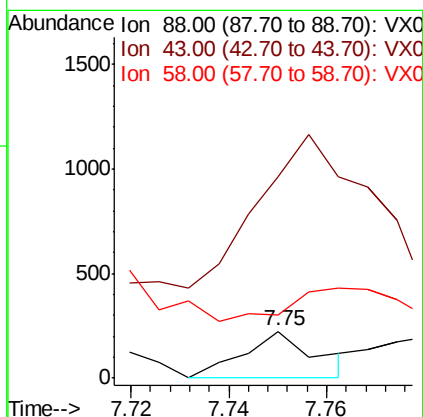
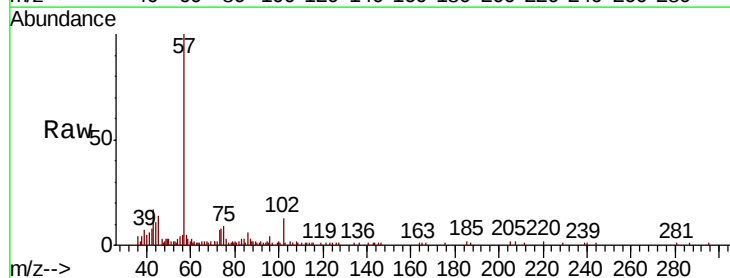
Instrument :
MSVOA_X
ClientSampleId :
2S-G4-(0)

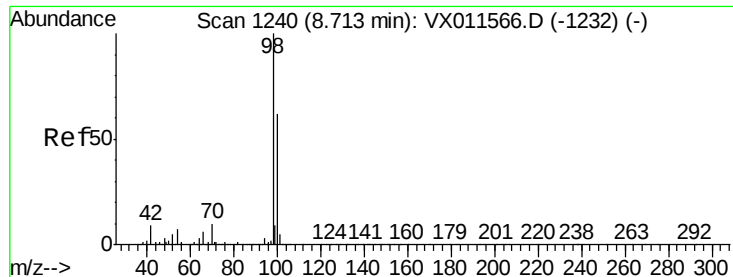
Tgt Ion: 41 Resp: 5122
Ion Ratio Lower Upper
41 100
69 0.4 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.852 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion: 88 Resp: 233
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 279.4 54.3 81.5#

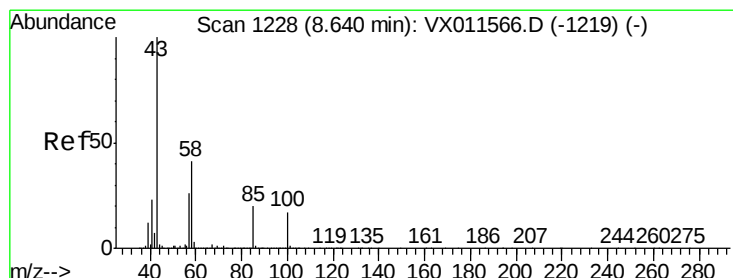
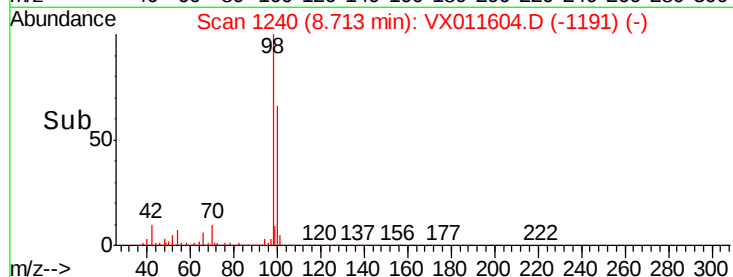
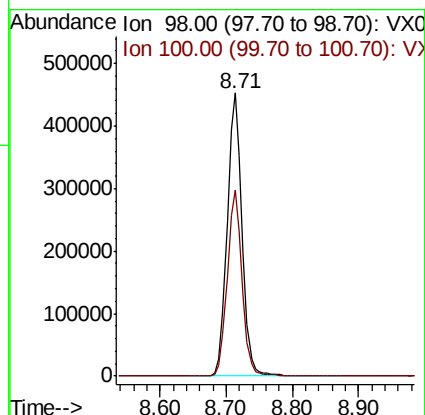
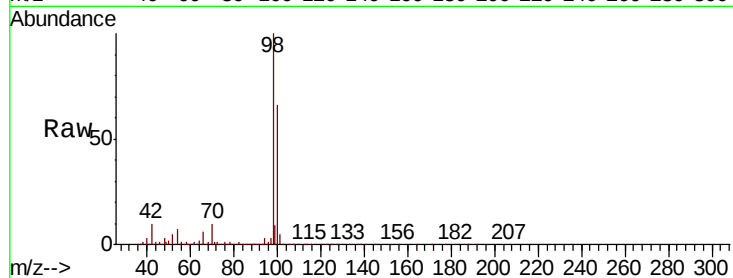




#50
Toluene-d8
Concen: 55.864 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

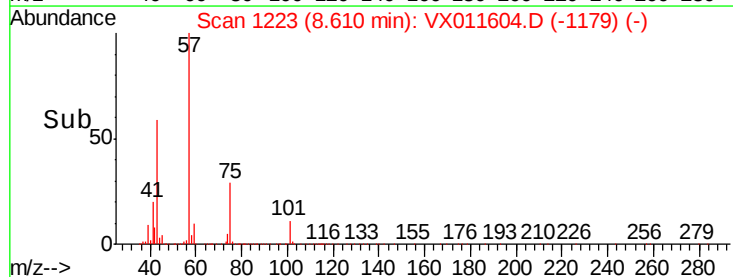
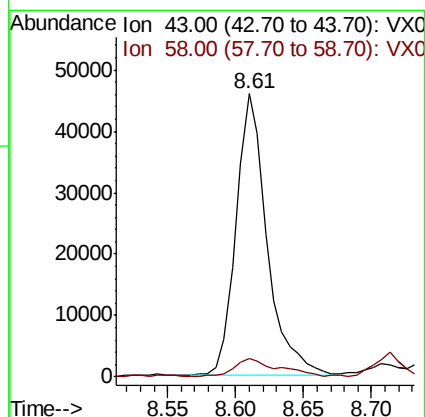
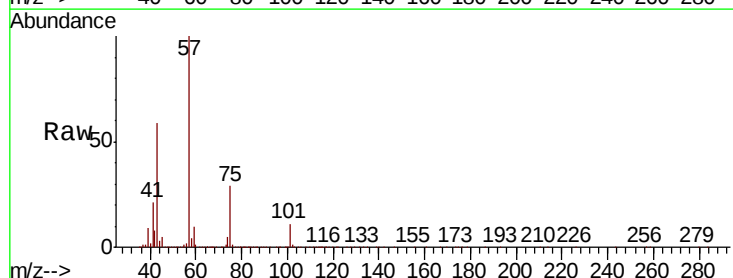
Instrument :
MSVOA_X
ClientSampled :
2S-G4-(0)

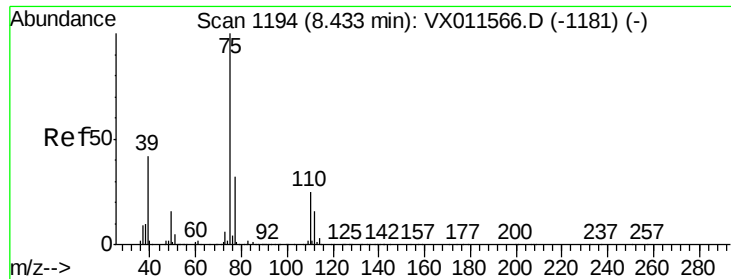
Tgt Ion: 98 Resp: 708404
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 11.683 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion: 43 Resp: 73024
Ion Ratio Lower Upper
43 100
58 9.4 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.605 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

2S-G4-(0)

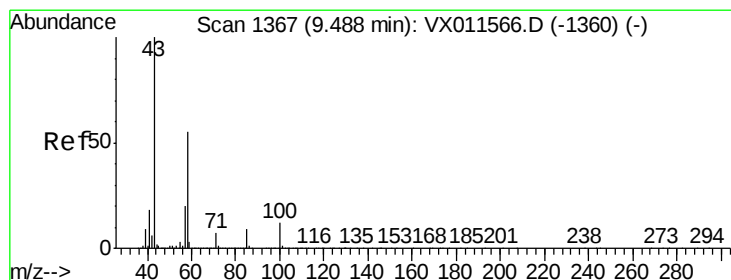
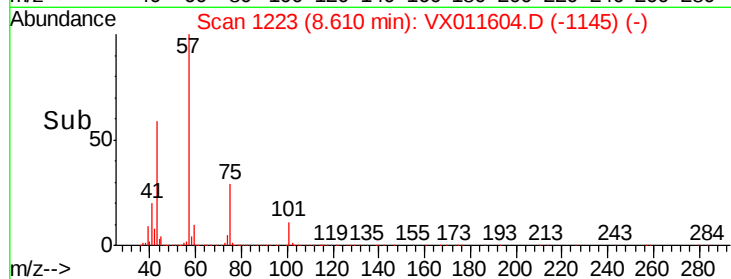
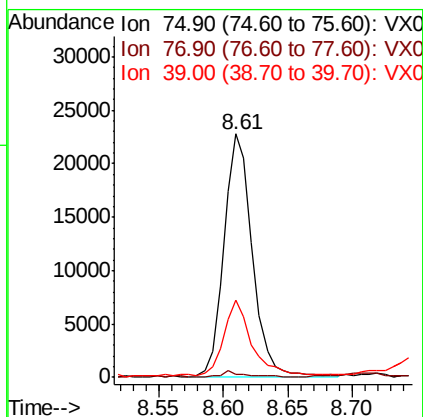
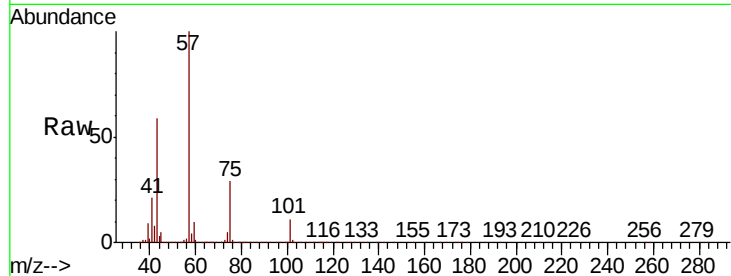
Tgt Ion: 75 Resp: 35024

Ion Ratio Lower Upper

75 100

77 0.9 25.5 38.3#

39 30.8 33.6 50.4#



#59

2-Hexanone

Concen: 17.461 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011604.D

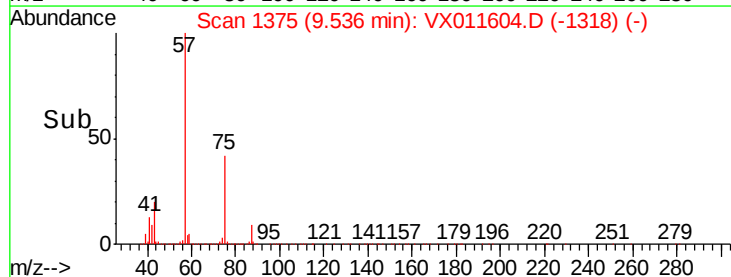
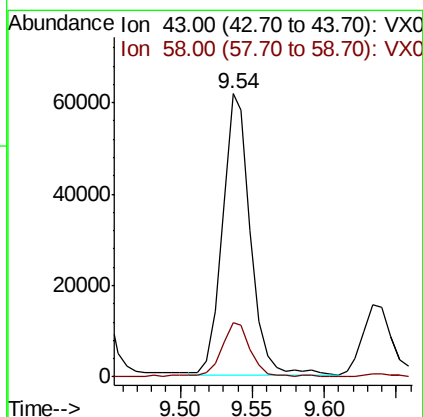
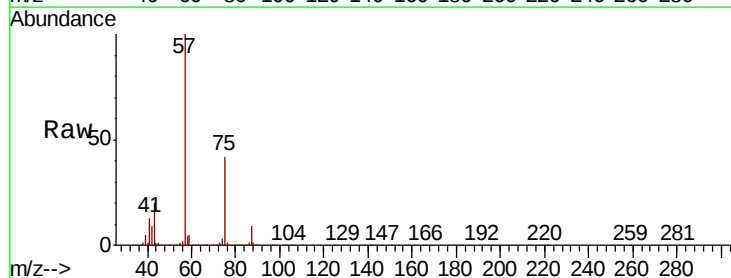
Acq: 17 Aug 2019 01:24

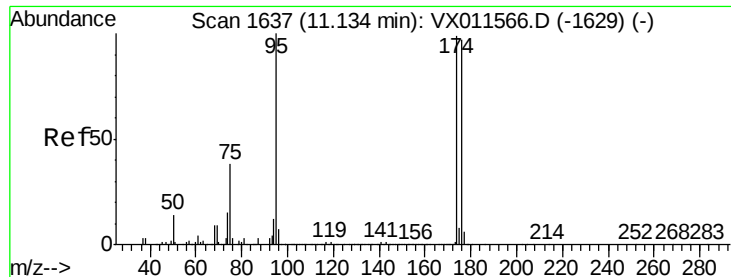
Tgt Ion: 43 Resp: 84162

Ion Ratio Lower Upper

43 100

58 20.2 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 40.826 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

2S-G4-(0)

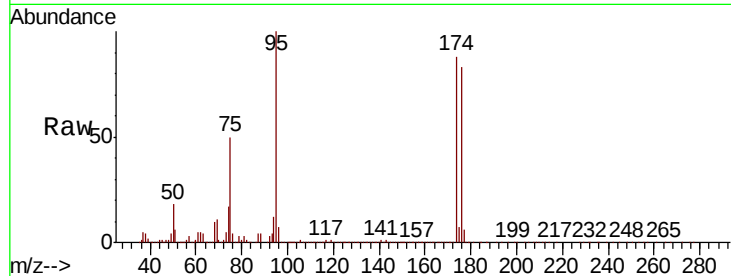
Tgt Ion: 95 Resp: 218517

Ion Ratio Lower Upper

95 100

174 93.3 0.0 200.6

176 89.5 0.0 196.6

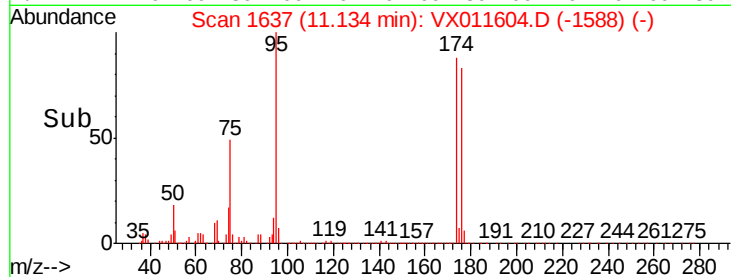


Abundance Ion 94.90 (94.60 to 95.60): VX011566.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX011566.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX011566.D (-1629) (-)

Time-->

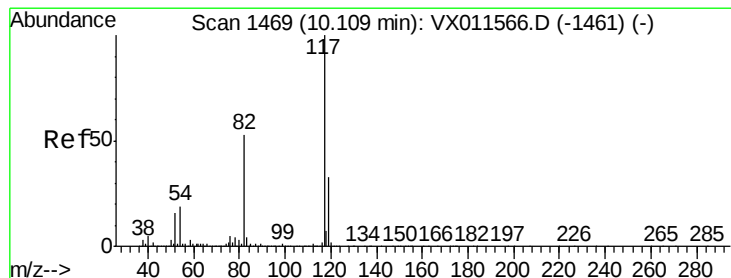


Abundance Ion 94.90 (94.60 to 95.60): VX011604.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011604.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011604.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

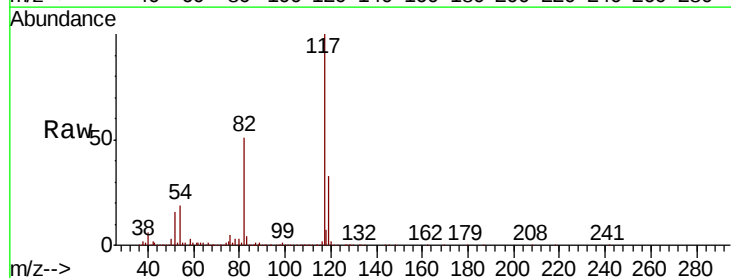
Tgt Ion: 117 Resp: 554416

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

119 32.7 26.5 39.7

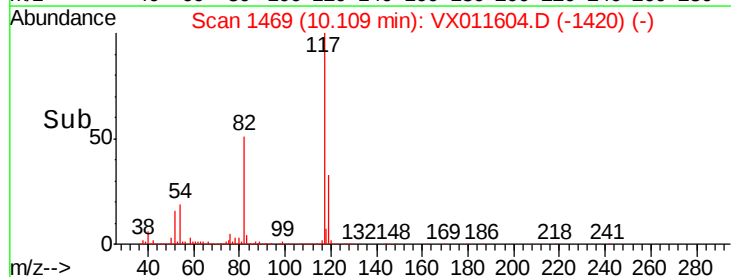


Abundance Ion 116.90 (116.60 to 117.60): VX011566.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011566.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011566.D (-1461) (-)

Time-->

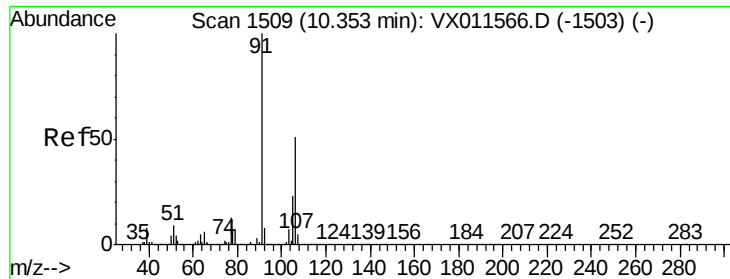


Abundance Ion 116.90 (116.60 to 117.60): VX011604.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011604.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011604.D (-1420) (-)

Time-->



#68

m/p-Xylenes

Concen: 0.248 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

Instrument :

MSVOA_X

ClientSampleId :

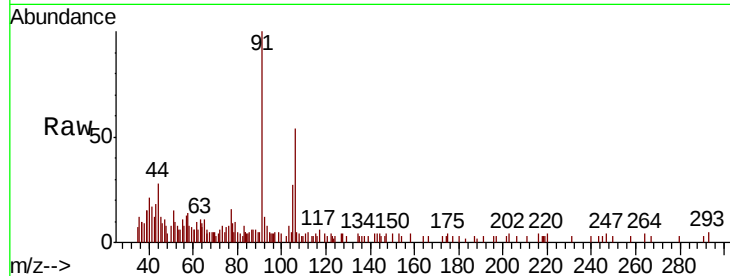
2S-G4-(0)

Tgt Ion:106 Resp: 1879

Ion Ratio Lower Upper

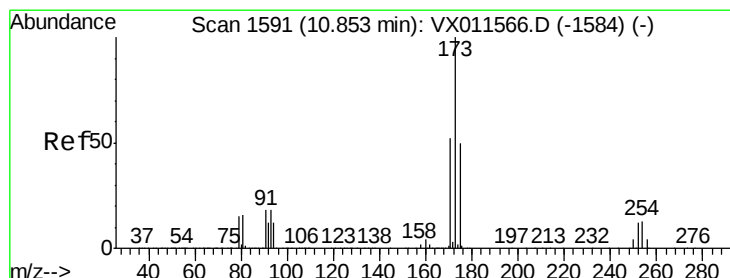
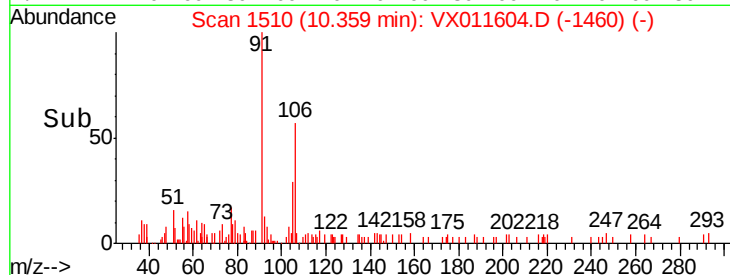
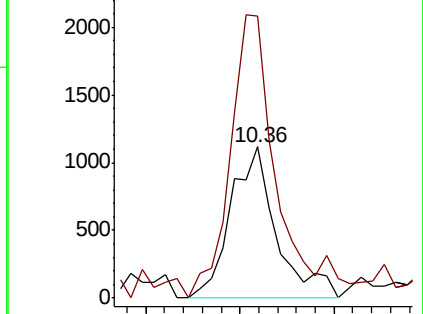
106 100

91 189.6 156.0 234.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 3.308 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.03 min

Lab File: VX011604.D

Acq: 17 Aug 2019 01:24

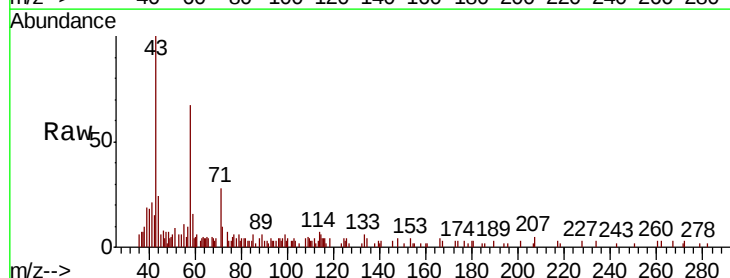
Tgt Ion:173 Resp: 74

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

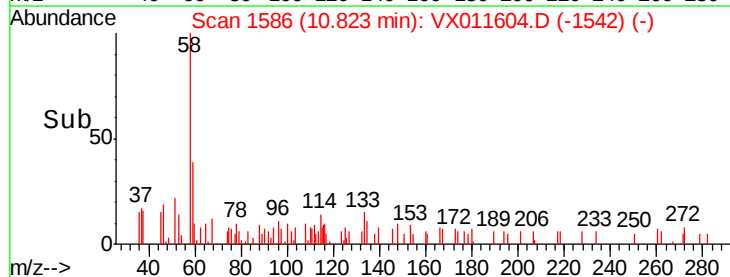
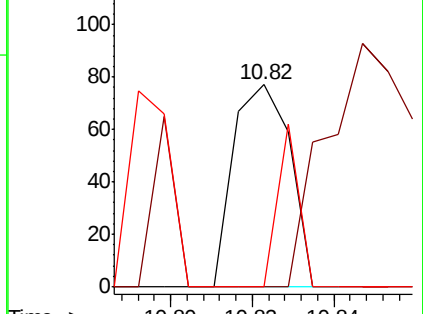
254 31.1 0.1 0.1#

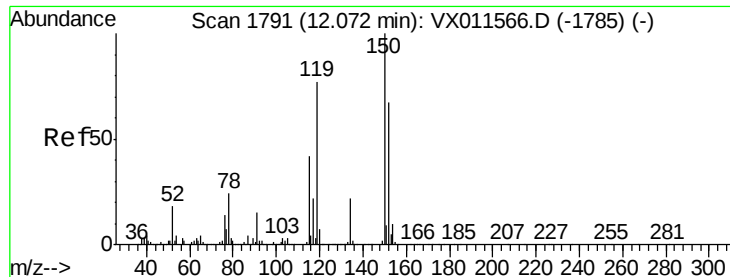


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



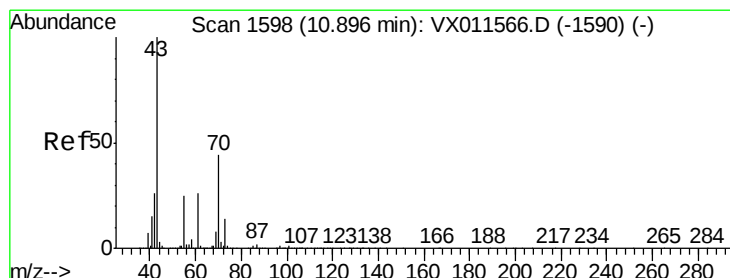
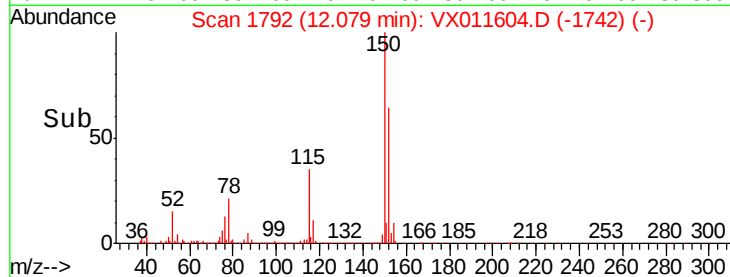
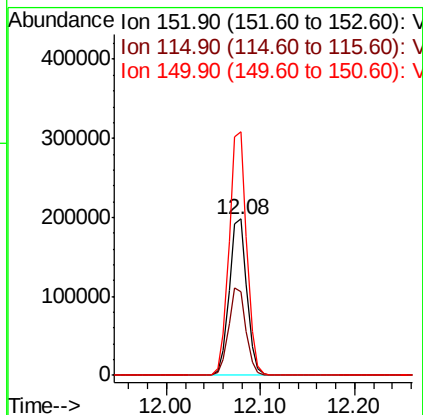
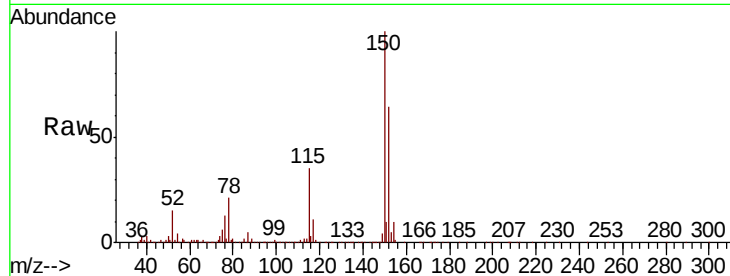


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Instrument :
MSVOA_X
ClientSampleId :
2S-G4-(0)

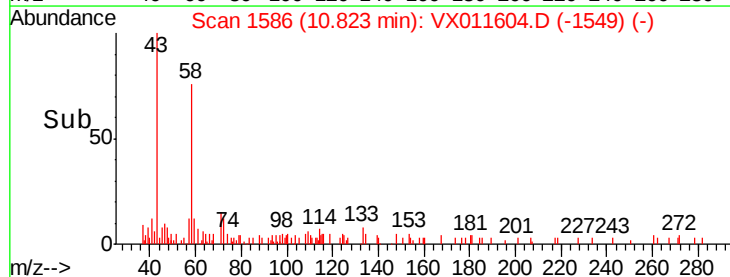
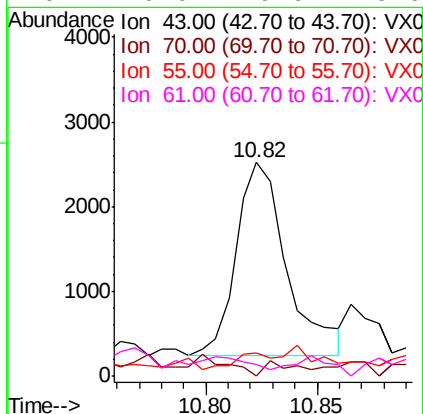
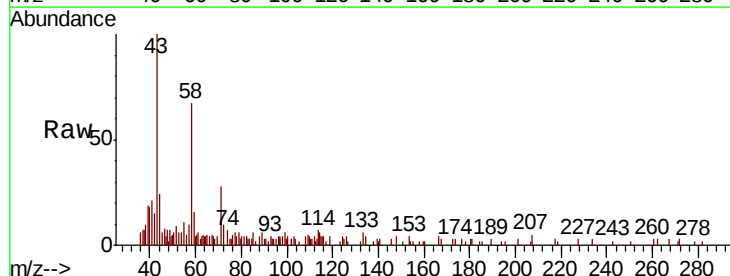
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	37.3	111.9
150	155.9	0.0	346.2

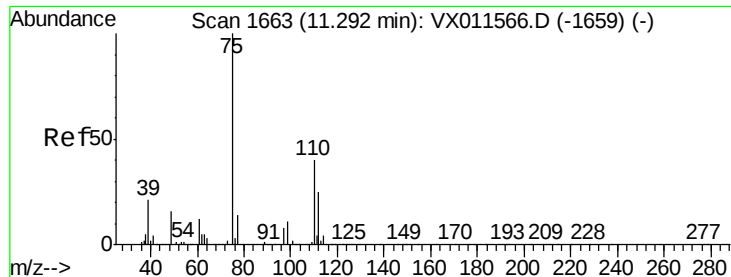


#74

N-ethyl acetate
Concen: 0.508 ug/l
RT: 10.82 min Scan# 1586
Delta R.T. -0.07 min
Lab File: VX011604.D
Acq: 17 Aug 2019 01:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	4.7	34.7	52.1#
55	4.0	19.6	29.4#
61	0.0	19.9	29.9#

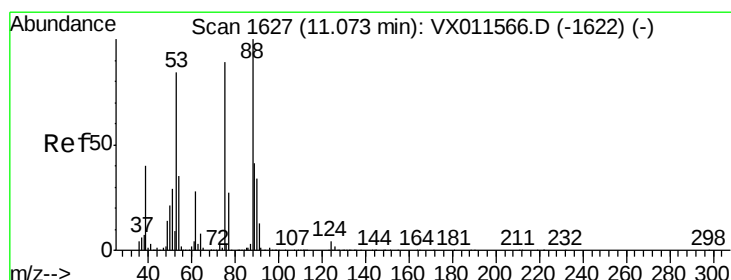
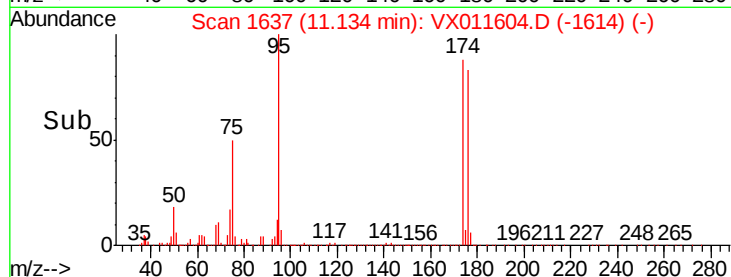
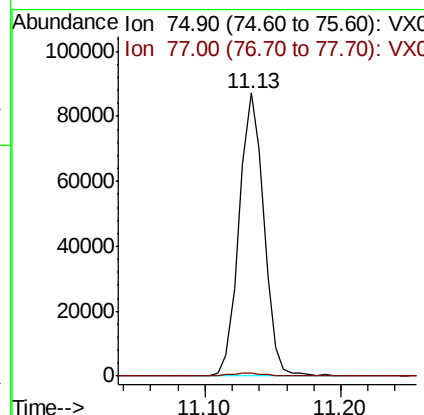
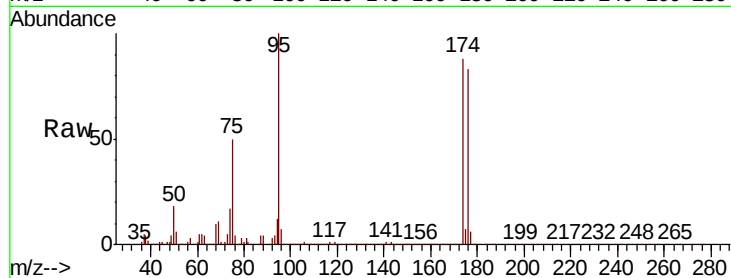




#76
 1,2,3-Trichloropropane
 Concen: 22.716 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011604.D
 Acq: 17 Aug 2019 01:24

Instrument :
 MSVOA_X
 ClientSampleId :
 2S-G4-(0)

Tgt Ion: 75 Resp: 110134
 Ion Ratio Lower Upper
 75 100
 77 1.6 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.501 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011604.D
 Acq: 17 Aug 2019 01:24

Tgt Ion: 75 Resp: 110134
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.4 116.0#
 89 0.0 37.3 55.9#

